

# HOMELUX® ULTRA MAT

## INSTALLATION 'QUICK GUIDE'



1. Apply a C2 flexible thin-bed tile adhesive to sub floor using a 4mm square notched trowel.



2. Unroll mat and press down firmly into the adhesive.



3. Apply tile adhesive over mat.



4. Set tiles or slabs in accordance with usual practice.



5. To waterproof, use seam tape over seams and changes in plane (sold separately).

### DESCRIPTION

Homelux® Ultra Mat is a waterproof, vapour-proof uncoupling membrane that can be used for crack-isolation in most tile, porcelain or natural stone installations, and can be applied over challenging substrates such as installation over green concrete (young) and single layer plywood (48cm) supported floors. When exposed to excessive substrate movement, it absorbs stress and preserves the surface and integrity of the tile. Homelux® Ultra Mat's mesh layer has reinforced fleece which locks mortar into the mat, ensuring strong, reliable installations.

### USES

Homelux® Ultra Mat is elastic, rot proof and resistant to aggressive substances and liquids such as alkalis, solvents and oils. It bridges cracks, uncouples floor assemblies from their substrates and is suitable as an underlayment for floor tiles.

### TILE TYPES

Homelux® Ultra Mat can be used with ceramic tile, impervious porcelain; most natural stone and precast terrazzo tile. Avoid installation in staggered or diagonal configurations.

### AREAS OF USE

For interior and exterior applications: Concrete (green concrete, mortar beds, masonry, lightweight concrete and/or air entrained concrete, primed gypsum underlayment (minimum 200 PSI cured), post tension concrete), exterior grade plywood (ECP), OSB, exterior decks, ceramic tile, resilient flooring, cutback adhesive & poured asphalt tarmac.

### LIMITATIONS

Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fibreglass or plastic. Do not apply at temperatures below 10°C (50°F). Do not use as a wear surface. Mat must be covered with tile. Not for controlling vertical movement cracks or cracks greater than 6mm (1/4"). When setting dimensional stone larger than 30 x 30cm (12" x 12") subfloor deflection requirements must be > L/720 and additional plywood layers will be necessary.

### SURFACE PREPARATION

General Surface Preparation: Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminants that would prevent a strong bond. Glossy or painted surfaces must be sanded, stripped and cleaned of waxes, dirt or any contaminants. For exterior applications, assure that the substrate is properly pitched away from the structure or to drains without divots that can trap water.

Below are recommended methods for surface preparation. The use of a bonding primer may be an acceptable alternate.

**Existing Ceramic Tile, Resilient Flooring or Plastic Laminates:** Resilient flooring or plastic laminates must be well bonded, clean and free of all contaminants. Roughen the surface by sanding or scarifying, rinse and allow to dry. Do not sand flooring containing

asbestos. For existing well-bonded ceramic tile, mechanically abrade with Carborundum stone. Rinse and allow to dry. When sanding we recommend the use of an approved respirator.

**Cutback Adhesive over Concrete:** Adhesive layers must be removed as they reduce mortar bond strength to cement surfaces. Use extreme caution as adhesives may contain asbestos fibres. Do not sand or grind adhesive residue, as harmful dust may result. Never use adhesive removers or solvents, as they soften the adhesive and may cause it to penetrate into the concrete. Adhesive residue must be wet-scraped to the finished surface of the concrete, leaving only the transparent staining from the glue. Do a test bond area first, to determine desirable results. Refer to the RFCI Pamphlet, "Recommended Work Practices for Removal of Resilient Floor Coverings" for further information ([rfci.com](http://rfci.com)).

**Cementitious Surfaces:** Concrete slabs should have a broomed or brushed finish to enhance the bond. Smooth concrete slabs must be roughened to ensure a good bond.

**Gypsum Substrates:** Gypsum substrates must have a PSI greater than 2000 and must first be primed or sealed per manufacturer's instructions.

**Wood Substrates:** Plywood flooring including those under resilient flooring must be structurally sound, built to industry standards, and deflection should not exceed L/360, for tile, L/720 for natural stone.

### ADHESIVE AND NOTCH REQUIREMENT

Use only a powder based C2 flexible thin-set tile adhesive to ensure problem free processing. Select the adhesive in accordance with the floor type and flooring material installed as well as specific requirements in use. Please note that floors and uncoupling beds installed over underfloor heating systems may require upgraded materials-such as adhesives with higher adhesion strength and/or higher-quality stoneware or ceramic tiles. Apply the tile adhesive using a 4mm x 4mm square notched trowel to the substrate.

### INSTALLING HOMELUX® ULTRA MAT

Apply Homelux® Ultra Mat to the floor dimple (hollow) side up. Embed the matting into the tile adhesive using a float or roller, ensuring 100% contact. Butt joint seams.

**Waterproofing:** Homelux® Ultra Mat is waterproof and offers vapour management. For a waterproof installation, install rolls in a parallel strip eliminating as many seams as possible. Ensure that all joints are butted tight and apply Homelux® waterproof seam tape evenly over seams and changes in plane to ensure the floor is fully sealed.

### INSTALLING THE TILES

Tiles can be installed over Homelux® Ultra Mat as soon as it has been pressed into place. While working on the mat, place boards on the mat directly under you to prevent damage. Flat coat the tile adhesive making sure to completely fill all of the depressions in the mat first. Then, thin-set comb additional mortar over the matting using a trowel that is appropriate for the size of tile. Completely embed the tiles in the setting material. Periodically remove and check a tile to ensure full coverage is being attained.